Reviewer’s report

Title: The incidence, etiologies, outcomes, and predictors of mortality of acute liver failure in Thailand: a population-base study

Version: 0 Date: 04 Jul 2018

Reviewer: Xiaogang Xiang

Reviewer's report:

In this paper, the authors retrospectively analyzed the characteristic of acute liver failure (ALF) in Thailand with a sample of 20,589 patients. They found that the incidence rate of ALF was 62.9 per million population per year with a 30-day mortality rate of 26.7%. The most frequent causes of ALF were indeterminate (68.4%), and the main predictors of 30-day mortality are ventilator support, malignant infiltration of liver, and ARF. The sample size in this study is sufficient, and the data can support the conclusion.

Major points:

1. The diagnostic criteria of ALF should be mentioned in the Methods. As all the patients selected in the study were selected from different levels of hospitals, it is extremely important to make sure all the patients diagnosed according to the same criteria.

2. It's well known that MELD score is widely used for predicting the mortality of end-stage liver diseases. How is the difference of the MELD scores between survived and died patients at admission?

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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